

(12) PATENT ABRIDGMENT (11) Document No. AU-B-18629/92
(19) AUSTRALIAN PATENT OFFICE (10) Acceptance No. 629790

(Australian Petty Patent)

(54) Title
ION EXCHANGING POLYMER

International Patent Classification(s)
(51)⁵ B01J 043/00

(21) Application No. : 16,829/92

(22) Application Date : 29.06.92

(43) Publication Date : 08.10.92

(45) Publication Date of Granted Application : 08.10.92

(71) Applicant(s)
WILLIAM HAROLD JAY

(72) Inventor(s)
WILLIAM HAROLD JAY

(56) Prior Art Documents
56311/88 B01J 43/00 B01D 35/06

(57) Claim

1. The use of a suitably modified polyurethane foam as the continuous phase and containing suitable ion exchange materials as the dispersed phase to produce an electrochemical ion exchange cell capable of recovering anions and cations from aqueous solution, then by reversing the polarity of the electrodes within the cell the ions so collected by the electrochemical cell may be eluted for disposal or recovery of these ions.

18629/92

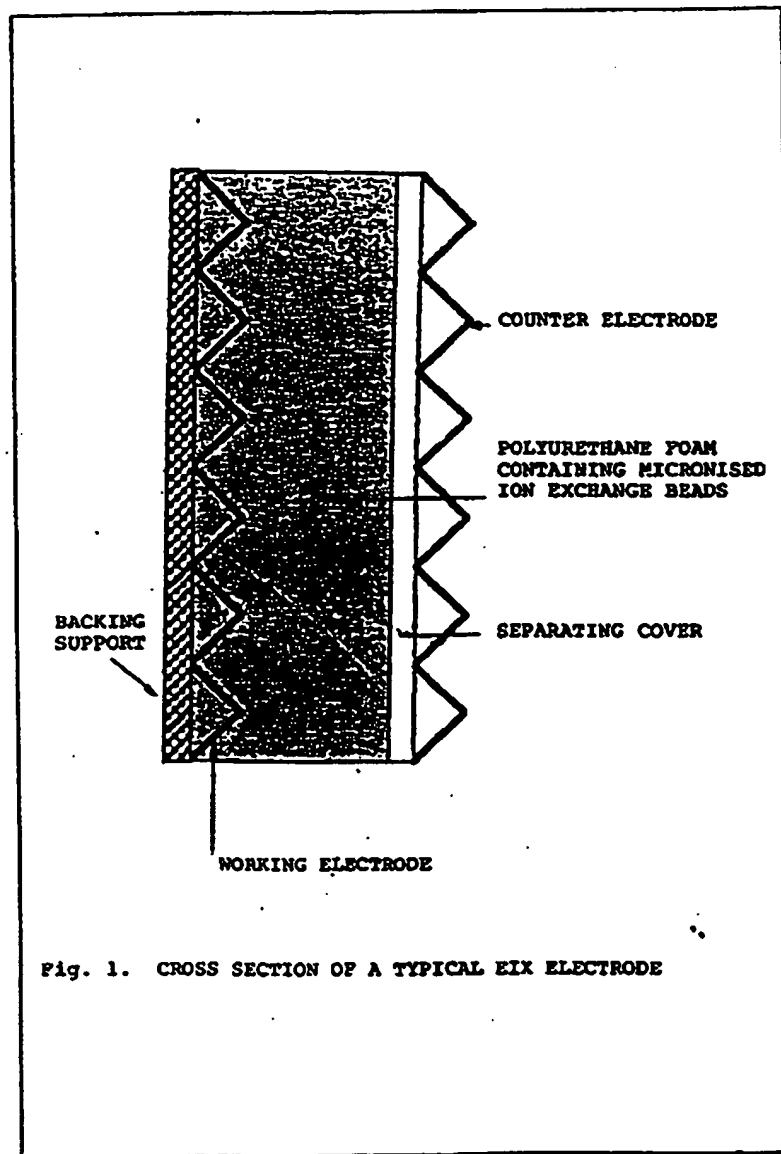


Fig. 1. CROSS SECTION OF A TYPICAL EIX ELECTRODE